

s/n: 10/700,068

date: 5-4-05

7185 ((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	5/4/05 14:33
("6and((numericaladjaperture)withdivid\$4withequalwith(focaladjpoi 0 nt))").PN.	US-PGPUB; USPAT; USOCR; IBM_TDB	5/4/05 14:34
6 and ((numerical adj aperture) with divid\$4 with equal with 0 (focaladjpoint))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	5/4/05 14:35
((numerical adj aperture) with divid\$4 with equal with 0 (focaladjpoint))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	5/4/05 14:35
((numerical adj aperture) with divid\$4 with equal with (focal adj 0 point))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	5/4/05 14:48
88716 (substantially adj equal).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	5/4/05 14:48
319 6 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	5/4/05 14:48
6100 ((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.	US-PGPUB; USPAT; USOCR; IBM_TDB	5/4/05 14:33
385 master adj oscillator adj power adj amplifier	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:48
551 (master adj oscillator adj power adj amplifier) or MOPA (((359/642,641,668,793-795) or (385/52,31,33,38,34,92- 94)).CCLS.) and ((master adj oscillator adj power adj amplifier) or	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:48
12 MOPA) ((master adj oscillator adj power adj amplifier) and (fiber same 7 focus)) and (planar same waveguide)	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:45
((((master adj oscillator adj power adj amplifier) and (fiber same focus)) and (planar same waveguide)) not (((master adj oscillator adj power adj amplifier) and (fiber same focus same collimat\$5))	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:45
3 and (planar same waveguide)) ((master adj oscillator adj power adj amplifier) and (fiber same 4 focus same collimat\$5)) and (planar same waveguide)	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:44
(master adj oscillator adj power adj amplifier) and (fiber same 13 focus same collimat\$5)	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:42
(master adj oscillator adj power adj amplifier) and (fiber same 46 focus)	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:12
204 (master adj oscillator adj power adj amplifier) and fiber	US-PGPUB; USPAT; IBM_TDB	9/1/04 15:10
6 5701373.URPN.	USPAT	9/1/04 13:13
10 5031991.URPN.	USPAT	9/1/04 13:05
3 ("3761184"   "4671625"   "4832464").PN.	USPAT	9/1/04 13:05
10 5031991.URPN.	USPAT	9/1/04 11:14

"Re33722"   "4143940"   "4203652"   "4243399"   "4253724"		
"4307409"   "4327963"   "4337531"   "4370021"   "4440470"		
"4495704"   "4639075"   "4674011"   "4701013"   "4708426"		
"4720632"   "4722081"   "4763979"   "4775214"   "4780877"		
"4784466"   "4786132"   "4799210"   "4807954"   "4832469"		
"4919506"   "4921320"   "4931637"   "4948221"   "4955025"		
"4966444"   "4969702"   "5031991"   "5046817"   "5054878"		
"5066092"   "5080506"   "5080706"   "5088803"   "5108167"		
"5140608"   "5151810"   "5181224"   "5224111"   "5237348"		
46 "5256851").PN.	USPAT	9/1/04 11:09
10 5031991.URPN.	USPAT	9/1/04 11:08
optical with (coupl\$5 or align\$5) with lens with fiber with collimat\$5	US-PGPUB; USPAT;	
242 with focus\$5	IBM_TDB	9/1/04 11:05
((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.) and (optical with (coupl\$5 or align\$5) with lens with	US-PGPUB; USPAT;	
65 fiber with collimat\$5 with focus\$5)	IBM_TDB	9/1/04 11:05
(optical with (coupl\$5 or align\$5) with lens with fiber with	US-PGPUB; USPAT;	
1 collimat\$5 with focus\$5) with spherical with cylind\$5	IBM_TDB	9/1/04 11:04
	US-PGPUB; USPAT;	
4 amorphous with spherical with cylind\$5	IBM_TDB	9/1/04 11:04
(optical with (coupl\$5 or align\$5) with lens with fiber with	US-PGPUB; USPAT;	
0 collimat\$5 with focus\$5) with sperical with cylind\$5	IBM_TDB	9/1/04 11:03
((collimat\$5 with focus) and fiber and (axis or (vertical same	US-PGPUB; USPAT;	
10 lateral))) and (master adj oscillator adj power adj amplifier)	IBM_TDB	9/1/04 11:02
	US-PGPUB; USPAT;	
18217 optical adj coupl\$5	IBM_TDB	9/1/04 11:02
	US-PGPUB; USPAT;	
114318 optical with (coupl\$5 or align\$5)	IBM_TDB	9/1/04 11:02
	US-PGPUB; USPAT;	
5863 optical with (coupl\$5 or align\$5) with lens with fiber	IBM_TDB	9/1/04 11:02
5 ("5870417"   "6058128"   "6125222"   "6188705"   "6226311").PN.	USPAT	9/1/04 11:01
	US-PGPUB; USPAT;	
1 ((anamorphic adj lens).ti.) and (collimat\$5 same focus)	IBM_TDB	9/1/04 10:58
	US-PGPUB; USPAT;	
31 (anamorphic adj lens).ti.	IBM_TDB	9/1/04 10:51
	US-PGPUB; USPAT;	
36 spherical with collimate with focus	IBM_TDB	9/1/04 10:50
((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.) and ((collimat\$5 with focus) and fiber and (axis or	US-PGPUB; USPAT;	
244 (vertical same lateral)))	IBM_TDB	9/1/04 10:45
(collimat\$5 with focus) and fiber and (axis or (vertical same	US-PGPUB; USPAT;	
1580 lateral))	IBM_TDB	9/1/04 10:43
(spherical with collimat\$5 with lens) and (anamorph\$5 with focus	US-PGPUB; USPAT;	
13 with lens)	IBM_TDB	9/1/04 10:42
	US-PGPUB; USPAT;	
4978 collimat\$5 with focus	IBM_TDB	9/1/04 10:42
	US-PGPUB; USPAT;	
1390 spherical with collimat\$5 with lens	IBM_TDB	9/1/04 10:40
	US-PGPUB; USPAT;	
121 anamorph\$5 with focus with lens	IBM_TDB	9/1/04 10:40

("4214216"   "4246548"   "4503541"   "4504950"   "4583226"		
"4689797"   "4730325"   "4809288"   "4852113"   "4866724"		
"4995047"   "4995050"   "5012483"   "5018831"   "5027359"		
"5033054"   "5050180"   "5063570"   "5163058"   "5179548"		
"5272711"   "5297154"   "5299219"   "5319659"   "5392308"		
29 "5430748"   "5438585"   "5485481"   "5572542").PN.	USPAT	9/1/04 9:10
5 6212216.URPN.	USPAT	9/1/04 9:09
1460 fast with slow with axis	US-PGPUB; USPAT;	
((359/642,641,668,793-795) or (385/52,31,33,38,34,92-	IBM_TDB	9/1/04 8:58
85 94)).CCLS.) and (fast with slow with axis)	US-PGPUB; USPAT;	
	IBM_TDB	9/1/04 8:58
	US-PGPUB; USPAT;	
21 (beam adj shap\$5) same (fast with slow with axis)	IBM_TDB	9/1/04 8:12
	US-PGPUB; USPAT;	
11408 beam adj shap\$5	IBM_TDB	9/1/04 8:11
	US-PGPUB; USPAT; USOCR;	
6100 ((359/642,641,668,793-795) or (385/52,31,33,38,34,92-94)).CCLS.	IBM_TDB	9/1/04 7:43
((beam adj shap\$5) same (((spherical or collimat\$5) same		
cylind\$5) with lens)) and (((359/642,641,668,793-795) or	US-PGPUB; USPAT;	
17 (385/52,31,33,38,34,92-94)).CCLS.)	IBM_TDB	9/1/04 7:43
	US-PGPUB; USPAT;	
68 ((359/668).CCLS.) and ((spherical or collimat\$5) same cylind\$5)	IBM_TDB	9/1/04 7:42
((359/668).CCLS.) and ((spherical or collimat\$5) same cylind\$5))	US-PGPUB; USPAT;	
24 and (fiber and (diode or laser or beam))	IBM_TDB	9/1/04 7:42
	US-PGPUB; USPAT;	
47189 ((spherical or collimat\$5) same cylind\$5)	IBM_TDB	9/1/04 7:42
	US-PGPUB; USPAT;	
7969 ((spherical or collimat\$5) same cylind\$5) with lens	IBM_TDB	9/1/04 7:42
(beam adj shap\$5) same (((spherical or collimat\$5) same cylind\$5)	US-PGPUB; USPAT;	
335 with lens)	IBM_TDB	9/1/04 7:42
1 6542314.PN.	USPAT	9/1/04 7:41
	US-PGPUB; USPAT; USOCR;	
217 (359/668).CCLS.	IBM_TDB	9/1/04 7:35
26 4475788.URPN.	USPAT	8/31/04 17:18
15 4564268.URPN.	USPAT	8/31/04 17:14
14 5319496.URPN.	USPAT	8/31/04 17:10
("4180325"   "4606622"   "5243619"   "5294971"   "5319496"		
8 "5352886"   "5825476"   "5896194").PN.	USPAT	8/31/04 17:08
("4884281"   "5168401"   "5243619"   "5418880"   "5825551"		
"5887096"   "5987794"   "6044096"   "6151168"   "6243210"		
11 "6529542"   "2002/0015558"   "2002/0159156").PN.	USPAT	8/31/04 17:06
6 6151168.URPN.	USPAT	8/31/04 17:05
13 5243619.URPN.	USPAT	8/31/04 17:01
("4061814"   "4738532"   "5168401"   "5243619"   "5369661"		
9 "5418880"   "5515391"   "5517328"   "5544184").PN.	USPAT	8/31/04 16:59
("3396344"   "4185891"   "4318594"   "4530574"   "4655590"		
"4707584"   "4763975"   "4818062"   "4826269"   "4978197"		
"4990741"   "5066100"   "5120926"   "5127068"   "5168401"		
"5258989"   "5268978"   "5365032"   "5463534"   "5541951"		
24 "5715270"   "5717804"   "5886313"   "6044096").PN.	USPAT	8/31/04 16:48

8 ("3396344"   "4530574"   "4547038"   "4822151"   "5058981"   "5216562"   "5369661"   "5453814").PN.	USPAT	8/31/04 16:47
7 ("3974507"   "4203652"   "4253735"   "4318594"   "4530574"   "4589115"   "4656641").PN.	USPAT	8/31/04 16:44
12 ("3317267"   "3701044"   "4203652"   "4235507"   "4246548"   "4253735"   "4255717"   "4272651"   "4280108"   "4306278"   "4318594"   "4323297").PN.	USPAT	8/31/04 16:41
23 4530574.URPN.	USPAT	8/31/04 16:40
8 ("3701044"   "3974507"   "4203652"   "4253735"   "4255717"   "4318594"   "4323297"   "4530574").PN.	USPAT	8/31/04 16:40
26 4318594.URPN.	USPAT	8/31/04 16:39
(collimat\$4 with lens) and (cylindrical with lens) and (diode same	US-PGPUB; USPAT;	
15 fiber same x\$2axis same y\$2axis)	IBM_TDB	8/31/04 16:38
1 ("5319528").PN.	US-PGPUB; USPAT; USOCR;	
("3273072"   "3590248"   "3736518"   "4185891"   "4293827"   "4318594"   "4397525"   "4475788"   "4520471"   "4575194"   "4609258"   "4641912"   "4643538"   "4681396"   "4688884"   "4689482"   "4701005"   "4725131"   "4726645"   "4732448"   "4759616"   "4761059"   "4763975"   "4768184"   "4770653"   "4791631"   "4807954"   "4813762"   "4901330"   "4905690"	IBM_TDB	8/31/04 16:38
32 "4922502"   "5081637").PN.	USPAT	8/31/04 16:38
((359/642,641,668,793-795) or (385/52,31,33,38,34,92-	US-PGPUB; USPAT;	
15 94)).CCLS.) and (lens same astigmat\$5 same axis same fiber)	IBM_TDB	8/31/04 16:35
("4203652"   "4235507"   "4318594"   "4530574"   "4744089"   "4951293"   "4953166"   "5003550"   "5088105"   "5111153"   "5175643"   "5237636"   "5249190"   "5265116"   "5270853"		
16 "5278851").PN.	USPAT	8/31/04 16:28
19 4942583.URPN.	USPAT	8/31/04 16:03
23 4530574.URPN.	USPAT	8/31/04 15:59
40 4203652.URPN.	USPAT	8/31/04 15:57
("2303113"   "3652150"   "3749477"   "3751138"   "4017160"   "4203652"   "4253735"   "4318594"   "4362367"   "4530574"   "4744073"   "5095386"   "5181224"   "5467335"   "5499262"		
19 "5844723"   "5973853"   "6088168"   "6088170").PN.	USPAT	8/31/04 15:56
49 lens same astigmat\$5 same axis same fiber	US-PGPUB; USPAT;	
	IBM_TDB	8/31/04 15:54